

Name: CF
Weight: 82 Kg
Medication:

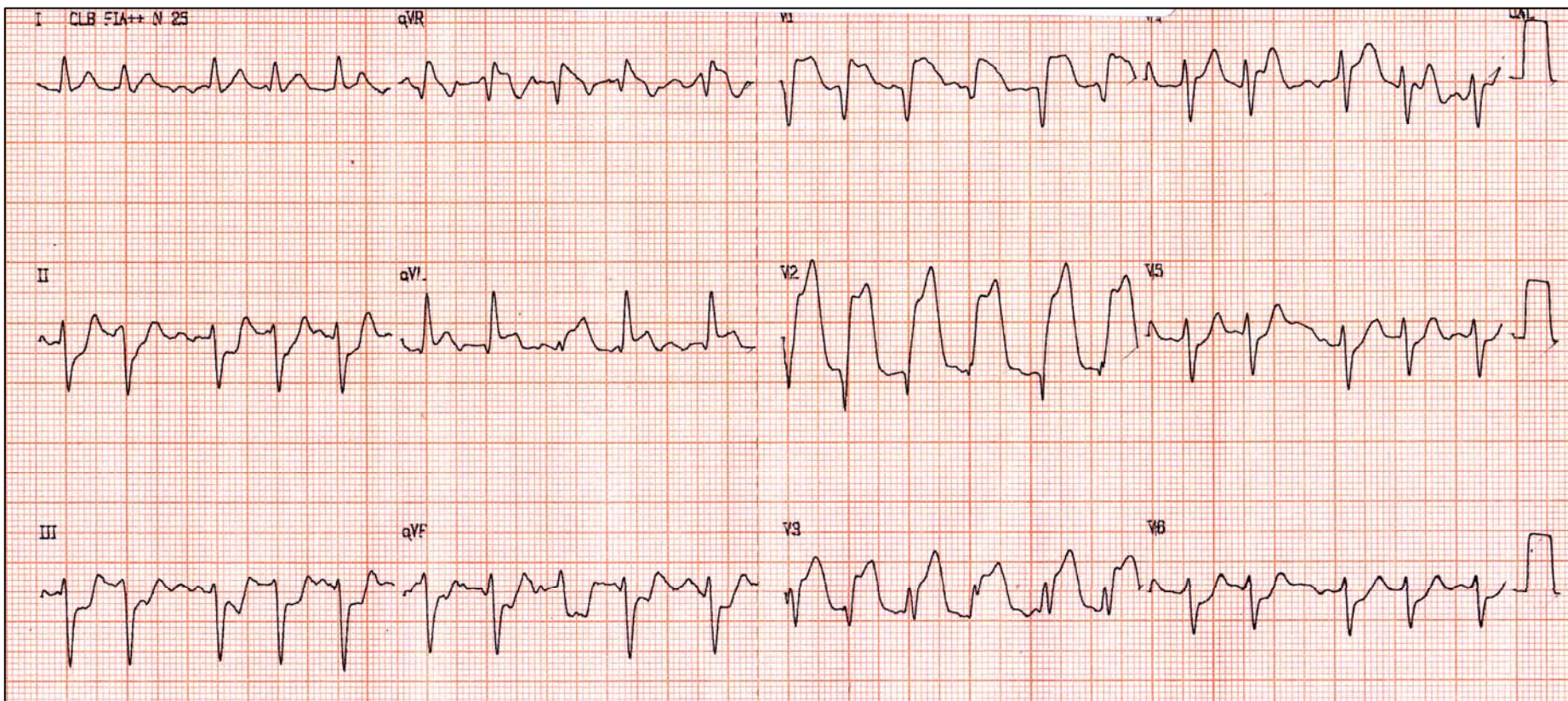
Sex: Male
Height: 1,72 m

Age: 61 yo.
Biotype: Normoline

Race: Caucasian

Date: 05/01/2008

Time: 11:25AM

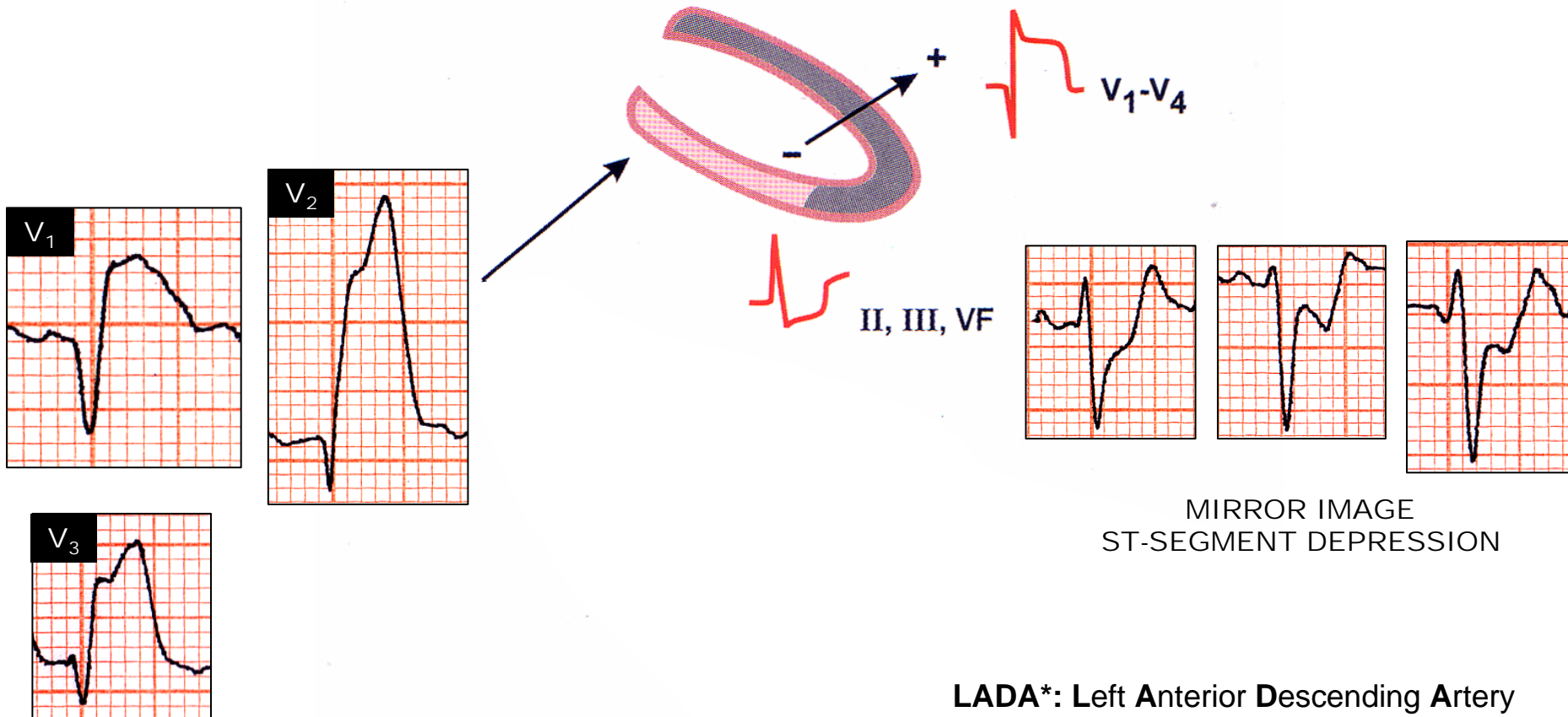


Clinical Diagnosis: Myocardial Infarction in hyperacute phase (<1 hour of typical clenched fist chest pain). Proximal obstruction of a long left anterior descending coronary artery.

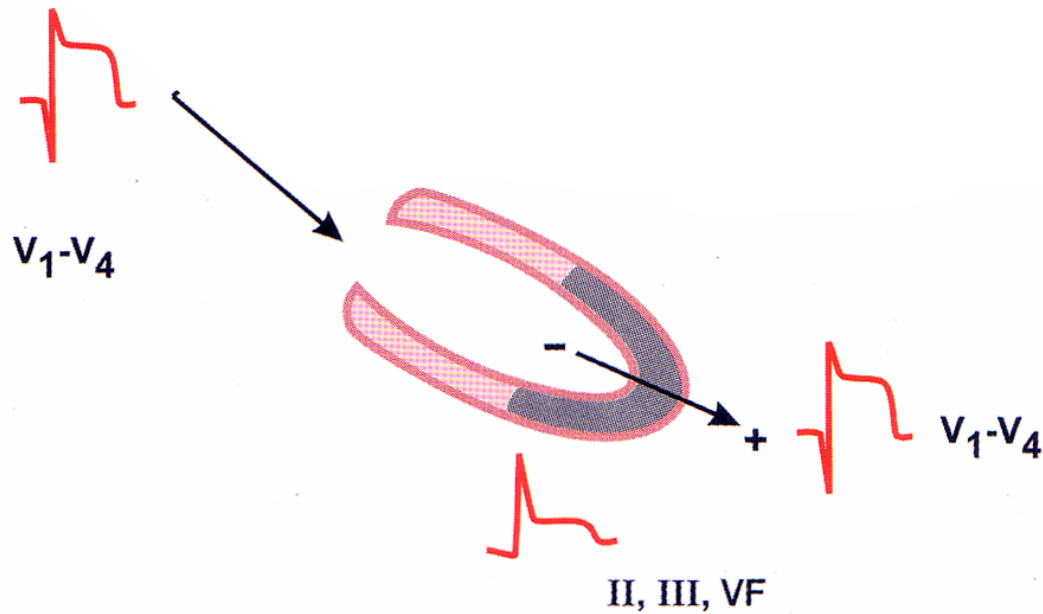
ECG diagnosis: Rhythm: atrial fibrillation with rapid ventricular response + LAFB + hyperacute phase anterior MI (anteroseptal zone).

The question is: which is the diagnosis following the new ECG classification of Q-wave myocardial infarction based on correlations with cardiac magnetic resonance ? A1, A2, A3 or A4?

TYPICAL ECG PATTERN IN PROXIMAL OBSTRUCTION OF LADA* (HYPERACUTE PHASE)



TYPICAL ECG PATTERN IN **DISTAL** OBSTRUCTION OF LADA* (HYPERACUTE PHASE)



ST-SEGMENT ELEVATION

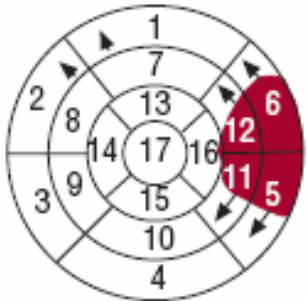





LADA*: Left Anterior Descending Artery

THE ECG PATTERN OF Q-WAVE MYOCARDIAL
INFARCTION (MI) OR Q-WAVE EQUIVALENTS WITH THE
NAMES GIVEN TO MI AND RELATED INFARCTION AREA
DOCUMENTED BY CARDIAC MAGNETIC RESONANCE

ANTEROSEPTAL ZONE

Types of MI		Infarct Area (MRI)	Electrocardiographic Patents	Name of the Infarct	More Probable Place of Occlusion
A1			Q in V1-2 SE: 86% ES: 98%	Septal	AD
A2			Q in V1-2 to V4-V6 SE: 86% ES: 98%	Apical/ Anteroseptal	AD
A3			Q in V1-2 to V4-V6 VL and Sometimes SE: 83% ES: 98%	Anterior Extense	AD
A4			Q (qr or r) in I, VL, and Sometimes I, V2-3 and/or R5 in V1 SE: 70% ES: 100%	Anterior Limited	AD

INFEROLATERAL ZONE

Types of MI	Infarct Area (MRI)	Electrocardiographic Patents	Name of the Infarct	More Probable Place of Occlusion
B1		Q (qr or r) in I, VL, V5-6 and/or RS in V1 SE: 50% ES: 100%	Lateral	CX 
B2		Q in II, III, VF SE: 87,5% ES: 98%	Inferior	RC CX 
B3		Q in II, III, VF (B2) + Q in I, VL, V5, 6 and/or RS in V1 (B1) SE: 70% ES: 100%	Inferolateral	RC CX 

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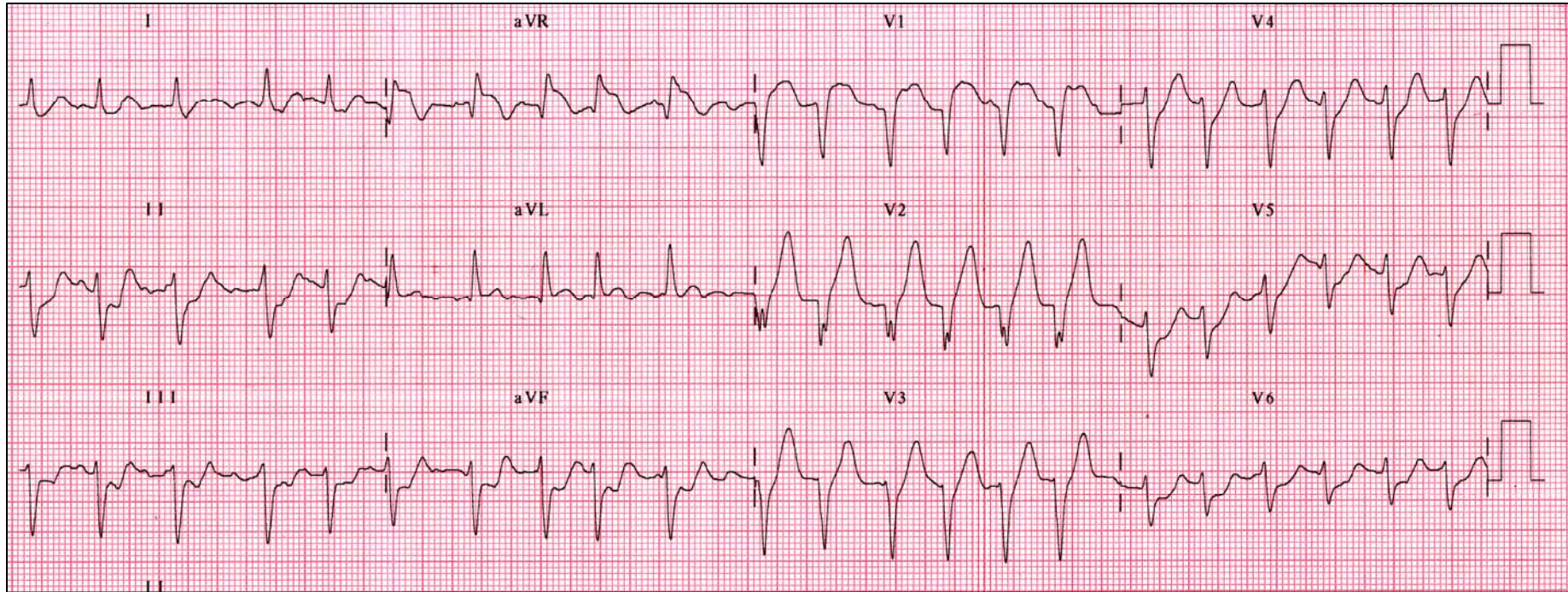
Sex: Male
Height: 1,72 m

Age: 61 yo.
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Date: 05/01/2008

Time: 11:44AM



Clinical Diagnosis: Myocardial Infarction in hyper acute phase.

ECG diagnosis: Rhythm: atrial fibrillation with rapid ventricular response (134bpm average), S^AQRS: -80°, SIII > SII: Left Anterior Fascicular Block, anteroseptal infarct, QT/QTc: 324/484 ms, QT interval long for rate.

Angiography: RCA: 75% proximal stenosis + Mg from Cx artery 80% + LDA 100% proximal obstruction

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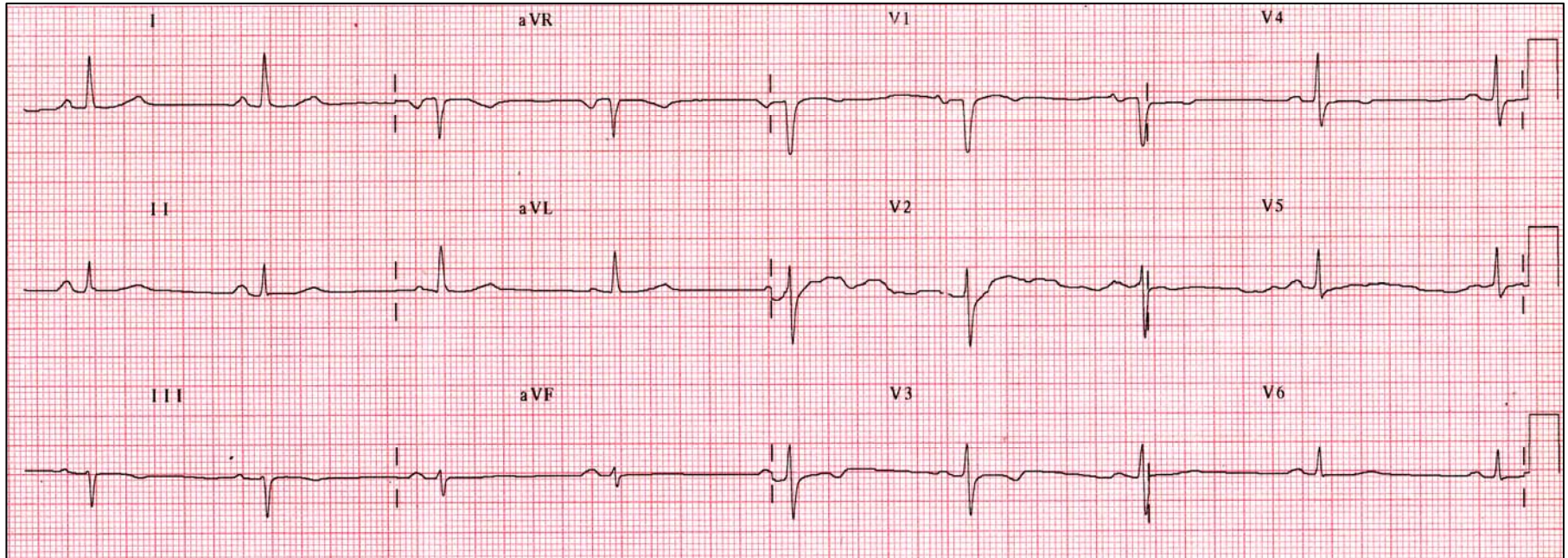
Sex: Male
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Date: 13/01/2008 **12 days after initial manifestation**

After Percutaneous Transluminal Coronary Angioplasty with 2 stent implantation in RCA and Marginal from Cx coronary artery



Clinical Diagnosis:.
ECG diagnosis: ?

Now there are not dromotropic intraventricular disorder (and return to sinus rhythm).